

What I claim as my invention:

- 1 1. A cursor control device comprising:
- 2 a. housing with a flat surface on the bottom and an ergonomic shape for
- 3 fitting comfortably in the user's hand;
- 4
- 5 a roller ball rotatably mounted in the housing and protruding partially
- 6 above the housing at about a front corner of said housing;
- 7
- 8 at least one key on top of said housing extending over the front side of
- 9 said housing;
- 10
- 11 at least one electrical circuit inside said housing connected to said key and
- 12 said roller ball, and
- 13
- 14 a communicator between said electrical circuit and a computer.
- 1 2. The device of claim 1 wherein said roller ball and said button are positioned such
- 2 that when the device is held in the user's hand, the user's thumb rests on the roller
- 3 ball and the user's middle finger rests on the button.
- 1 3. The device of claim 2 where the roller ball is at the tip of said user's thumb.
- 1 4. The device of claim 1 wherein said button is comprised of an enter key and a drag
- 2 key.

- 1 5. The device of claim 4 wherein said roller ball and said keys are positioned such  
2 that when the device is held in the user's hand, the user's thumb rests on the roller  
3 ball and the user's index and middle fingers rest on the keys.
- 1 6. The device of claim 1 further comprising grooves on the side nearest the user's  
2 ulnar fingers where said grooves are shaped to accommodate said fingers.
- 1 7. The device of claim 1 wherein said communicator is an electric cable which  
2 extends from device to computer system.
- 1 8. The device of claim 1 wherein said communicator further comprises a transparent  
2 shade for transmitting radio frequency energy.
- 1 9. The device of claim 1 wherein said communicator further comprises a transparent  
2 shade for transmitting infra-red energy.
- 1 10. The device of claim 1 further comprising a scroll wheel disposed between the  
2 keys.
- 1 11. An ergonomic housing for an electronic input device comprising: a flat surface on  
2 the bottom and a body shaped for fitting comfortably in the natural curvature of a  
3 user's hand, such that the housing is suited for use of the device on a flat surface  
4 or while in the user's hand.

add  
a1

add  
D2

add  
K1